

## REPORT ON BOILERS.

No. 8708

Received at London Office

See Nov. 10-1914

Writing Report

19

When handed in at Local Office

Nov. 9th 1914 Port of

Middlesbrough

in Book.

Survey held at

Darlington

Date, First Survey

July 22nd

Last Survey

October 23rd 1914

(Number of Visits

11)

Gross 3268

Tons

Net 2003

on the

Donkey Boiler No. 3269 for "Harenberg"

When built

1915

By whom made

Darlington

By whom made

Blake Boiler, Wagon Eng. Co. Ltd.

When made

1914

Port

Port belonging to

Amsterdam

## VERTICAL DONKEY BOILER

No. One

Description

Blake Patent

Manufacturers of steel

J. Spencer Sons, Ltd.

at

Darlington

By whom made

Blake Boiler, Wagon Eng. Co. Ltd.

When made

1914

Where fixed

3-12

Working pressure

100 lb

by hydraulic pressure to

200

Date of test

23.10.14

No. of Certificate

5440

Fire grate area

32 sq

Description of safety valves

Two opening valves

of safety valves

2

Area of each

4.9 sq

Pressure to which they are adjusted

100 lb

If fitted with easing gear

Yes

If steam from main boilers can

be used

No

Dia. of donkey boiler

8'-0"

the donkey boiler

No

Length

17'-3"

Material of shell plates

Steel

Thickness

19/32"

Range of tensile

Strength

Pitch of rivets

3 1/4"

length

28-32

Descrip. of riveting long. seams

D.K. Lap

Dia. of rivet holes

1 1/8"

Whether punched or drilled

Drilled

Pitch of rivets

3 1/4"

of plating

5"

Per centage of strength of joint

78.4

Working pressure of shell by rules

108 lb

Thickness of shell crown plates

9/16"

Radius of do.

4'-0"

No. of Stays to do.

2

Dia. of stays

13" x 3/4"

radius of do.

4'-0"

Description of joint

Welded

Working pressure of furnace by rules

107 lb

Thickness of furnace crown

1 1/8"

Length of furnace

4'-7 1/2"

Thickness of furnace plates

3/4"

Description of joint

Welded

thickness of furnace plates

3/4"

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